

	SUMMER	WINTER
FREEBOARD	9'-0 1/4"	9'-8 1/2"
DRAFT S.W.	31'-6 1/4"	30'-10 1/2"
DISPLACEMENT	24249	23669
DEADWEIGHT	14247	13669

LIGHTSHIP
DISPLACEMENT 10,000 TONS
DRAFT FWD 19'-10 1/4" MEAN 14'-7 3/4" S.W.

DEADWEIGHT INCLUDES CARGO, OIL FUEL, FRESH WATER, PROVISIONS, PASSENGERS, CREW, EFFECTS ETC

REGISTERED DIMENSIONS 552'2" x 72'7" x 37'15"
OFFICIAL NUMBER 184692
SIGNAL LETTERS GNPD
PORT OF REGISTRY LONDON

	BRITISH	SUEZ	PANAMA
GROSS	12538-73		
NETT	7672-78		
UNDERDECK			

TRIM PARTICULARS
(BASED ON MEAN DRAFT OF 23'-0")
CHANGE IN DRAFTS FORWARD & AFT DUE TO FILLING DOUBLE BOTTOM & OIL FUEL TANKS

COMPARTMENT	TONS	AFT	FWD
N°1 A. DEEP TANK	191	- 7 1/4"	+ 1 1/4"
- 1 B. - P&S	377	- 12 3/4"	+ 2 1/4"
- 2 DOUBLE BOTTOM	202	- 4 1/8"	+ 10 1/2"
- 3 -	322	- 2 1/4"	+ 12"
- 4 -	206	+ 3 1/4"	+ 5 1/4"
- 5 -	63	+ 3 1/4"	+ 1 1/8"
- 6 -	304	+ 5 1/2"	+ 3 1/8"
- 7 -	21	+ 1 1/2"	+ 1 1/8"
- 8 -	136	+ 5 1/8"	+ 1 1/4"
- 9 -	76	+ 4 3/8"	+ 1 3/4"
- 10 DEEP TANK P&S	345	+ 12"	+ 2 1/4"
- 11 -	268	+ 11"	+ 4"
- 12 -	197	+ 9 3/4"	+ 4 1/8"
- 13 -	172	+ 6 1/2"	+ 2 1/8"
- 14 -	129	+ 6 1/4"	+ 5"
- 15 -	106	+ 5 1/8"	+ 3 1/4"
- 16 SETTLING TANKS (S)	59	+ 1 1/2"	+ 1 1/8"
- 17 OVERFLOW (P)	81	+ 2 1/2"	+ 1 1/4"
- 18 -	36	+ 1 1/2"	+ 1 1/8"
FORE PEAK	134	+ 6 1/2"	+ 11"
AFT PEAK	203	+ 14 1/4"	+ 10"

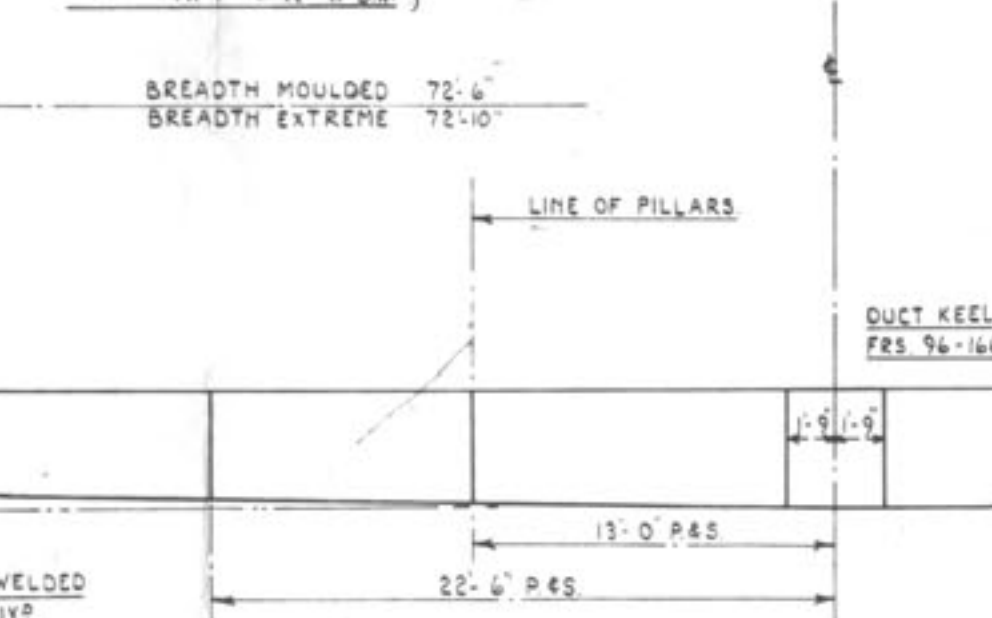
CHANGE OF DRAFT DUE TO ADDING 100 TONS OF CARGO AT HATCHES

COMPARTMENT	TONS	AFT	FWD
N°1 HATCH	100	+ 3 1/4"	+ 6 1/2"
- 2 -	100	+ 2"	+ 5 1/8"
- 3 -	100	+ 1 1/2"	+ 3 1/2"
- 4 -	100	+ 1 1/8"	+ 2 1/4"
- 5 -	100	+ 1 1/4"	+ 1 1/2"
- 6 -	100	+ 1 1/2"	+ 3"
- 7 -	100	+ 1 1/4"	+ 4 1/4"

DOCKING PARTICULARS

LENGTH OVERALL 552'-3"
BREADTH EXTREME 72'-10"
9' TUMBLERHORN AT SHELTER DECK

NORMAL DOCKING CONDITION
DRAFT FWD 14'-8 1/2" MEAN 14'-5 3/4" S.W.
AFT 17'-11 1/2"

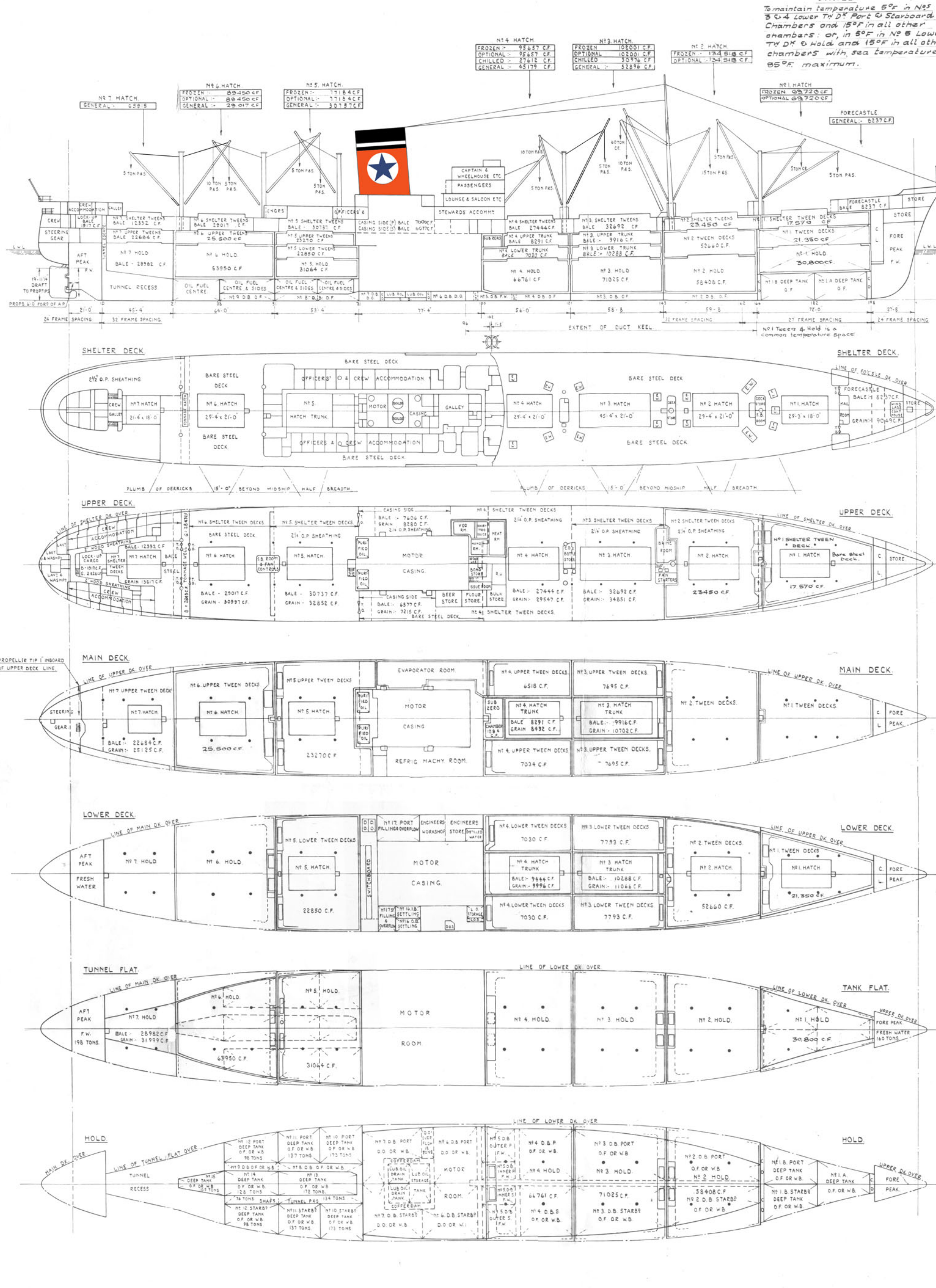


DEAD WEIGHT SW TONS	DRAFT IN FEET	DISPLACEMENT TONS	DISPLACEMENT COEFFICIENT EXCLUDING CRUISER STERN BOSSING	TONS PER CUBIC FOOT	MOMENT TO CHANGE TRIM 1" FT. TONS	TRANS. META-CENTRE FEET
14680	32	24,680	.690	74.89	2,398	30.25
11570	31	23,781	.686	74.45	2,360	30.10
12080	30	22,889	.682	73.99	2,321	29.98
12003	29	22,003	.678	73.51	2,280	29.89
11124	28	21,124	.674	73.02	2,237	29.84
10252	27	20,252	.670	72.51	2,192	29.80
9380	26	19,386	.666	71.98	2,146	29.83
8524	25	18,526	.662	71.43	2,098	29.90
7672	24	17,672	.658	70.86	2,049	30.02
6825	23	16,825	.653	70.27	2,001	30.22
5985	22	15,985	.648	69.67	1,953	30.48
5151	21	15,151	.643	69.07	1,906	30.82
4323	20	14,323	.638	68.47	1,860	31.22
3501	19	13,501	.633	67.87	1,815	31.72
2680	18	12,686	.627	67.25	1,770	32.33
1878	17	11,878	.621	66.60	1,726	33.08
1070	16	11,076	.615	65.92	1,682	33.96
280	15	10,280	.609	65.21	1,638	35.00
14	14	9,490	.603	64.47	1,594	36.24
13	13	8,705	.597	63.70	1,550	37.80

NOTES ON FREE SURFACE
TO OBTAIN THE REDUCTION IN METACENTRIC HEIGHT DUE TO FREE SURFACE IN TANKS - DIVIDE THE MOMENTS GIVEN BY THE DISPLACEMENT OF THE SHIP IN THE CONDITION UNDER CALCULATION. THE MOMENTS GIVEN INCLUDE PORT & STARBOARD TANKS.

FREE SURFACE MOMENTS

COMPARTMENT	OIL FT. TONS	DIESEL FT. TONS	F.W. FT. TONS	S.W. FT. TONS
N°1 A. DEEP TANK	553			616
- 1 B. - P&S	990			1,104
- 2 DOUBLE BOTTOM P&S	1,688			1,514
- 3 -	6516			7260
- 4 -	1450			1,616
- 5 -			140	
- 6 -			826	
- 7 -			4,920	5,535
- 8 -	1,734			1,932
- 9 -	1,246			1,388
- 10 DEEP TANK P&S	1,568			1,746
- 11 -	1,498			1,670
- 12 -	1,876			2,092
- 13 -	339			378
- 14 -	282			315
- 15 -	93			104
- 16 SETTLING TANKS (S)	37			
- 17 OVERFLOW (P)	245			
- 18 -	97			
FORE PEAK				36
AFT PEAK				1924



NOTE: LLOYD'S R.M.C. OF 14-8-58 STATES:
To maintain temperature 5°F in N°1 & N°4 Lower Tn Dk Port & Starboard Chambers and 15°F in all other chambers - or, in 5°F in N°6 Lower Tn Dk & Hold and 15°F in all other chambers with sea temperatures 85°F maximum.

CAPACITIES OF CARGO SPACES

COMPARTMENT	REFRIGERATED	OPTIONAL	GRAIN	BALE
N°1 HOLD	30800	30800		
- 2 -	58408	58408		
- 3 -	71035	71035		
- 4 -	46761	46761		
- 5 -	31064	31068		
- 6 -	63950	63950		
- 7 -			31999	28982
TOTAL HOLDS	322008	322008	31999	28982
N°1 LOWER TWEEN DECK	21350	21350		
- 2 -	52660	52660		
TOTAL TWEEN DECK	74010	74010		
N°3 LOWER TWEEN DECK	7793	7793		
- 4 -	7793	7793		
TOTAL N°3 LOWER TWEEN DECK	15586	15586	11066	10288
N°4 LOWER TWEEN DECK	7030	7030		
- 5 -	7030	7030		
TOTAL N°4 LOWER TWEEN DECK	14060	14060	9996	9444
N°5 LOWER TWEEN DECK	22850	22850		
TOTAL LOWER TWEEN DECK	52496	52496	21062	19738
N°3 UPPER TWEEN DECK	7695	7695		
- 4 -	7695	7695		
TOTAL N°3 UPPER TWEEN DECK	15390	15390	10702	9916
N°4 UPPER TWEEN DECK	6518	6518		
- 5 -	7034	7034		
TOTAL N°4 UPPER TWEEN DECK	13552	13552	8423	8291
SUB-ZERO CHAMBER	1284	1284		
TOTAL N°4 UPPER TWEEN DECK	14836	14836	8423	8291
N°5 UPPER TWEEN DECK	23270	23270		
- 6 -	25500	25500		
TOTAL N°5 UPPER TWEEN DECK	48770	48770		
N°1 SHELTER TWEEN DECK	17570	17570		
- 2 -	23450	23450		
- 3 -	23450	23450		
- 4 -	23450	23450		
CASING SIDE	8280	8280		
N°5 SHELTER TWEEN DECK	23838	23838		
- 6 -	30997	30997		
TONNAGE WELL	2857	2857		
N°7 SHELTER TWEEN DECK	13617	13617		
LOCK-UP CARGO	2166	2166		
TOTAL SHELTER TWEEN DECK	41020	41020		
FORECASTLE	5049	5049		
GRAND TOTALS	568530	568530	248607	248607

SUMMARY OF CARGO CAPACITIES

COMPARTMENTS	FROZEN	CHILLED	OPTIONAL	GRAIN	BALE
HOLDS	322008	322008	31999	28982	
TWEEN DECK	74010	74010			
LOWER TWEEN DECK	52496	52496	21062	19738	
UPPER TWEEN DECK	78996	78996	44250	40807	
SHELTER TWEEN DECK	41020	41020	162392	150568	
FORECASTLE			2049	1127	
GRAND TOTALS OF EACH COMMODITY	568530	568530	248607	248607	
TOTAL INSULATED CARGO	568530	568530			
- GENERAL	248607	248607			
GRAND TOTAL	817137	817137			

MEASUREMENT OF CAPACITIES
INSULATED CARGO SPACES ARE MEASURED FROM INSULATION TO INSULATION OR FACE OF AIR SCREENS OR BATTENS WHERE FITTED & FLOOR OR TOP OF INSULATION TO UNDERSIDE OF INSULATION OVER OR UNDERSIDE OF HEAT RAILS IN CHILLED HEAT SPACES.
INSULATED STORES - FROM TOP OF CRATINGS TO UNDERSIDE OF INSULATION OVER UPPER TWEEN DECKS - BALE CAPACITIES ARE MEASURED FROM INSIDE OF CARGO BATTENS & FROM DECK TO 1/2 DEPTH OF BEAM OVER.
GRAIN CAPACITIES ARE MEASURED FROM SHELL TO SHELL & DECK TO DECK NON-INSULATED STORES CAPACITIES MEASURED AS FOR BALE WITH ALLOWANCE MADE FOR CRATINGS ON DECK WHERE FITTED.
ALL OBSTRUCTIONS HAVE BEEN DEDUCTED FROM ALL CAPACITIES.

CAPACITIES OF OIL FUEL, FRESH WATER & WATER BALLAST

COMPARTMENT	FRAMES	OIL FUEL 59 C/F/TON FULL	FRESH WATER 35 C/F/TON FULL	DIESEL 35 C/F/TON FULL
N°1 A. DEEP TANK	182-197	191.2	219.5	
- 1 B. - P&S	187-182	376.8	423.5	
- 2 DOUBLE BOTTOM P&S	143-164	202.1	232.0	
- 3 -	121-143	322.0	369.6	
- 4 -	108-121	205.8	236.2	
- 5 -	99-107	63.4		
- 6 -	99-107	99.0		
- 7 -	88-98		140.6	116.5
- 8 -	85-98		163.1	135.2
DIESEL OIL OVERFLOW PORT	71-85		21.0	17.4
N°7 DOUBLE BOTTOM P&S	71-85		246.5	204.3
- 9 -	71-71	135.8	155.9	
- 10 -	38-51	75.5	86.7	
TOTAL DOUBLE BOTTOM	1509.2	162.4	2303.6	193.4
N°10 DEEP TANK P&S	61-71	349.3	396.3	
- 11 -	51-61	268.1	307.7	
- 12 -	38-51	196.8	225.9	
- 13 -	51-69	172.2	197.7	
- 14 -	38-51	128.8	147.8	
- 15 -	27-38	105.9	121.6	
- 16 SETTLING STARBOARD (NBOARD)	79-85	26.0		
- 17 OVERFLOW PORT (OUTBOARD)	79-85	28.4		
- 18 -	75-85	81.3		
- 19 -	75-79	36.4		
FORE PEAK	198-F	133.5		
AFT PEAK	0-10	202.9		
TOTAL DEEP TANKS & PEAKS	1359.4	336.4	1397.0	
GRAND TOTAL	2898.6	498.8	3700.6	473.4

CAPACITIES OF STORES

COMPARTMENT	INSULATED	BALE	COMPARTMENT	INSULATED	BALE
HEAT RM. UPPER DECK	1219		BROUGHT FORWARD	3104	7254
VEG. RM.	812		STORE SHELTER DECK FWD		2184
DAIRY PRODUCE	423		MAIL RM.		715
HANDLING RM.	650		DECK STORE FWD		481
ISSUE RM.			DECK STORE FWD		380
R.U. STORE	483		SHELTER DECK AFT		199
BOND	625		BUNKER		205
BULK STORE	1000		LINEN RM. BOAT OK		700
FLOUR STORE	954		BAGGAGE RM.		553
BEER STORE	977		DECK STORE		740
BREAD LOCKER			LINEN RM. PASS. OK		70
STORE UPPER DECK FWD	2438		SPECIE RM. NAV. BR.		271
CARRY FORWARD	3104		GRAND TOTAL	3104	13904

535'-0" B.P. x 72'-6" MLD. x 40'-3" MLD. TO UPPER DECK.

N°1 & 2 Spaces Insulated - Nov 1961
by Smiths Dock.

M.V. "WELLINGTON STAR"

CAPACITY PLAN

SCALE: 1/32" = 1 FOOT.